AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions and listings of claims in the application:

1. (previously presented) An isolated DNA molecule selected from the group consisting of:

(a) DNA encoding a protein comprising amino acids 1 through 417 of SEQ ID NO: 2; and

(b) DNA encoding a protein comprising an amino acid sequence that is at least about 99% identical to amino acids 1 through 417 of SEQ ID NO: 2, wherein the polypeptide is capable of inducing apoptosis and identity is determined using the GAP computer program.

2.-5. (canceled)

6. (original) A recombinant expression vector comprising a DNA sequence according to claim 1.

7.-9. (canceled)

10. (original) A host cell transformed or transfected with an expression vector according to claim 6.

11.-12. (canceled)

13. (previously presented) A process for preparing a protein having an amino acid sequence comprising amino acids 1 through 417 of SEQ ID NO: 2, or a protein comprising an amino acid sequence at least about 99% identical to amino acids 1 through 417 of SEQ ID NO: 2, comprising culturing a host cell according to claim 10 under conditions promoting protein expression.

14.-15. (canceled)

16. (previously presented) An isolated polypeptide selected from the group consisting of:

(a) a polypeptide comprising amino acids 1 through 417 of SEQ ID NO: 2; and

(b) a polypeptide comprising an amino acid sequence that is at least about 99% identical to amino acids 1 through 417 of SEQ ID NO: 2, wherein the polypeptide is capable of inducing apoptosis and the percent identity is calculated using the GAP computer program .

17-19. (canceled)

20. (withdrawn) An antibody immunoreactive with AIR.

21. (withdrawn) The antibody of claim 20 which is a monoclonal antibody.

22.-28. (canceled).

29. (previously presented) An isolated DNA molecule comprising SEQ ID NO: 1.

30. (canceled).

31. (currently amended) An isolated polypeptide ~~having an extracellular domain~~ comprising amino acids ~~residues~~ 1 through 199 of SEQ ID NO: 2. ~~or a fragment thereof, wherein the fragment is capable of inducing apoptosis.~~

32. (previously presented) A fusion protein comprising the polypeptide of claim 31.

33. (previously presented) An isolated DNA molecule encoding a polypeptide comprising amino acids 1 through 411 of SEQ ID NO: 6, or a fragment thereof, wherein the fragment is capable of inducing apoptosis.

34. (previously presented) The DNA of claim 33 wherein the fragment comprises amino acids 31 through 190 of SEQ ID NO: 6.

35. (previously presented) An isolated DNA molecule encoding a polypeptide comprising an amino acid sequence that is at least 70% identical to SEQ ID NO: 6, wherein the protein is capable of inducing apoptosis.

36. (previously presented) An isolated DNA molecule comprising SEQ ID NO: 5.

37. (previously presented) A recombinant expression vector comprising the DNA molecule of claim 33 or claim 35.

38. (previously presented) A host cell transformed or transfected with an expression vector according to claim 37.

39. (previously presented) A process for preparing a protein comprising amino acids 1 through 411 of SEQ ID NO: 6 or a fragment thereof, comprising culturing a host cell containing a vector comprising the DNA of claim 33.

40. (previously presented) An isolated polypeptide comprising the amino acid sequence set forth in SEQ ID NO: 6, or a fragment thereof, wherein the fragment is capable of inducing apoptosis.

41. (previously presented) The polypeptide of claim 40 wherein the polypeptide comprises amino acids 31 through 190 of SEQ ID NO: 6.

42. (previously presented) A fusion polypeptide comprising the polypeptide of claim 40.

43. (currently amended) An isolated polypeptide ~~comprising~~ consisting of an amino acid sequence that is at least 70% identical to SEQ ID NO: 6, wherein the polypeptide is capable of inducing apoptosis.